

HIGHLY CONFIDENTIAL

UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF CALIFORNIA

IN RE: FACEBOOK, INC., MDL No. 2843  
CONSUMER USER PROFILE Case No.  
LITIGATION 18-md-02843-VC-JSC

-----  
This document relates to:  
ALL ACTIONS  
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ZOOM DEPOSITION OF FACEBOOK's 30(b)(6)  
CORPORATE REPRESENTATIVE - SIMON CROSS  
(Reported Remotely via Video & Web Videoconference)  
London, England (Deponent's location)  
Tuesday, June 21, 2022  
Volume 5

**REDACTED VERSION OF DOCUMENT SOUGHT TO BE SEALED**

STENOGRAPHICALLY REPORTED BY:  
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California CSR No. 12546  
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JOB NO. 5291734  
PAGES 986 - 1222

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NORTHERN DISTRICT OF CALIFORNIA

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CONSUMER USER PROFILE Case No.  
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DEPOSITION OF SIMON CROSS, taken on  
behalf of the Plaintiffs, with the deponent located  
in London, England, commencing at  
1:37 p.m., Tuesday, June 21, 2022, remotely  
reported via Video & Web videoconference before  
REBECCA L. ROMANO, a Certified Shorthand Reporter,  
Certified Court Reporter, Registered Professional  
Reporter.

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ALSO PRESENT:

Ian Chen, Associate General Counsel,

Meta Platforms

John Macdonell, Videographer

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## HIGHLY CONFIDENTIAL

## 1 I N D E X

2 DEPONENT EXAMINATION

3 SIMON CROSS PAGE

VOLUME 5

4

5 BY MR. MELAMED 998

6 BY MR. LOESER 1139

7 BY MR. SCHWING 1206

8 BY MR. LOESER 1207

9

10

## 11 E X H I B I T S

12 NUMBER PAGE

13 DESCRIPTION

14 Exhibit 429 Native Excel Spreadsheet 1007

15 C2\_019\_FB-CA-MDL-02936297;

16

17 Exhibit 430 Message Summary, 1101

18 FB-CA-MDL-02898663 -

19 FB-CA-MDL002898668;

20

21 Exhibit 431 Native Excel Spreadsheet, 1107

22 C2\_113a\_FB-CA-MDL-02898670;

23

24 Exhibit 432 Native Excel Spreadsheet, 1111

25 FB-CA-MDL-02674226;

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## E X H I B I T S (cont'd)

NUMBER

PAGE

## DESCRIPTION

Exhibit 433 Email String Subject: V1 1116  
extensions,  
FB-CA-MDL-01952426 -  
FB-CA-MDL-01952427;

## PREVIOUSLY MARKED EXHIBITS

NUMBER

PAGE

Exhibit 339 1171

/////

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1 London, England; Tuesday, June 21, 2022 09:04:04

2 1:37 p.m.

3 ---o0o---

4

5 THE VIDEOGRAPHER: Okay. We're on the 01:36:58

6 record. It's 1:37 p.m. on June 21st, 2022. This

7 is Volume 5 in Simon Cross's deposition. We're

8 here in the matter of Facebook Consumer Privacy

9 User Profile Litigation.

10 I'm John Macdonell, the videographer with 01:37:15

11 Veritext.

12 Mr. Cross has previously been sworn, but

13 would counsel please identify themselves for the

14 record.

15 MR. MELAMED: Good morning. This is 01:37:26

16 Matt Melamed from Bleichmar Fonti & Auld on behalf

17 of plaintiffs. With me presently is Adele Daniel

18 from Keller Rohrbach, also on behalf of plaintiffs.

19 And -- I'm sorry -- also Anne Davis from

20 Bleichmar Fonti & Auld on behalf of plaintiffs. 01:37:43

21 MR. SCHWING: Good morning. This is

22 Austin Schwing of Gibson, Dunn & Crutcher on behalf

23 of Meta Platforms Inc. I'm joined by Ian Chen,

24 Hannah Regan-Smith, and also Phuntso Wangdra and

25 Matt Buongiorno. 01:38:00

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1 SPECIAL MASTER GARRIE: This is 01:38:07  
2 Special Master Garrie here on behalf of the Court.  
3 MR. MELAMED: Good morning. Before we  
4 start today's testimony, I just want to identify a  
5 few documents or sources of information that 01:38:29  
6 Mr. Cross discussed yesterday that we want to  
7 follow up with Facebook regarding their production.  
8 One is the Can tables, which Mr. Cross, I  
9 believe, identified yesterday, as tables initiated  
10 in or around 2019 operational, in or around 2020, 01:38:53  
11 that identified the calls that -- certain calls  
12 that apps could make on either data.  
13 Another is the Did tables, which were  
14 initiated around the same time. And those indicate  
15 the calls -- the calls that return user 01:39:21  
16 information, where the information was returned, so  
17 those two seem to work in parallel. I apologize if  
18 I'm misstating. I don't intend to. What those  
19 tables were, I think Mr. Cross's testimony on those  
20 was clear yesterday. 01:39:37  
21 The third is Pearly Gates. Which  
22 Mr. Cross identified as a precursor or the  
23 precursor to the capabilities tool.  
24 And the fourth is the Launch Manager,  
25 which was identified as a tool to track privacy -- 01:39:49

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1 a number of privacy decisions that were made 01:39:55  
2 internally at Facebook. Same thing with those two.  
3 I don't mean to misstate what Mr. Cross testified  
4 about those. His testimony is what it was. I'm  
5 just identifying them for the record. 01:40:09

6 Three of those four, the Can tables, the  
7 Did tables and Pearly Gates, I do not believe have  
8 been identified previously. The plaintiffs in the  
9 litigation, the fourth Launch Manager has been  
10 identified previously, and plaintiffs have 01:40:23  
11 requested that previously.

12 And would -- are going to request it  
13 again.

14 But I just wanted to put that on the  
15 record that we will follow up as well. 01:40:34

16 MR. SCHWING: Okay. Well, I appreciate  
17 you raising the issues that you're concerned about,  
18 Matt -- Mr. Melamed, you and I are friendly, so I  
19 apologize for the "Matt."

20 But I know Mr. Cross has previously 01:40:53  
21 identified Pearly Gates in a previous deposition  
22 session, and the same is true of the Did table.  
23 And you already knew about the Launch Manager.  
24 Happy -- happy to talk to you, you know, about  
25 document discovery issues. I don't think this is 01:41:12

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1 the right time. But, you know, we can certainly 01:41:16  
2 discuss that.

3 And I also wanted to -- to note, as I did  
4 before we got on the record, that Mr. Cross had a  
5 few things that he wanted to clarify, some 01:41:26  
6 additional information related to some of the  
7 questioning yesterday.

8 So at a convenient point in the  
9 deposition, whenever you think it's appropriate, he  
10 would like to share that. 01:41:38

11 MR. MELAMED: Thank you.

12

13 SIMON CROSS,  
14 having been previously administered an oath, was  
15 examined and testified as follows: 01:41:41

16 EXAMINATION (resumed)

17 BY MR. MELAMED:

18 Q. So, Mr. Cross, you understand you're  
19 still under oath, correct?

20 A. I do. 01:41:45

21 Q. What --

22 SPECIAL MASTER GARRIE: Are we on the  
23 record?

24 MR. MELAMED: Mr. --

25 Special Master Garrie, sorry. 01:41:49

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1 SPECIAL MASTER GARRIE: Yeah, I am sorry 01:41:51  
2 for interrupting. I was going to say, in the  
3 interest of efficiency, it would be most helpful if  
4 the parties could meet and confirm on the issues  
5 decided and discussed, and add the issue to 01:41:59  
6 mediation tracker so that way we have a record of  
7 these ongoing issues.

8 If there are downstream issues about each  
9 of these different things, I just wanted to notate  
10 that now because I have other issues that I've 01:42:13  
11 written down that haven't been raised on the  
12 mediation tracker, and I'm just assuming they're  
13 being resolved.

14 So if the parties have a process that's  
15 great. I just encourage them to document it so we 01:42:24  
16 don't have any downstream surprises with additional  
17 folks coming -- being required in the interest of  
18 completeness. And if you could just document that  
19 from the plaintiff's side, that would very helpful.

20 MR. MELAMED: Will do. Thank you. 01:42:41

21 Q. (By Mr. Melamed) So, Mr. Cross, your --  
22 Mr. Schwing indicated that you have some additional  
23 testimony or clar- -- testimony or clarifying  
24 testimony regarding some things you talked about  
25 yesterday. 01:42:55

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1 So now would be a great time to provide 01:42:55

2 that clarification.

3 [REDACTED]

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A. That's my understanding too, yes.

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Q. Do you have any other clarifications or

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follow up you want to offer regarding yesterday's

15

testimony?

01:46:36

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16

Q. Okay. Thank you.

17

Okay. Can you see my screen?

18

A. Yes.

19

[REDACTED]

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[REDACTED]

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[REDACTED]

(Exhibit 429 was marked for  
identification by the court reporter and is  
attached hereto.)

01:53:47

MR. MELAMED: So I've marked what -- I  
have introduced what's been marked as Exhibit 429.  
Exhibit 429 is Bates number FB-CA-MDL-0236297.

01:53:54

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

MR. SCHWING: Mr. Melamed, it's not  
showing up in the Exhibit Share. I'm not sure if  
that -- we need to do something to get into the  
Exhibit Share.

01:54:43

MR. MELAMED: I think there is a new day  
of -- of -- for the Exhibit Share, and I think that  
it says day 5.

01:54:57

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1 MR. SCHWING: Okay. I will figure that 01:55:03  
2 out.

3 MR. MELAMED: Okay.

4 MR. SCHWING: Thank you.

5 Q. (By Mr. Melamed) Mr. Cross, are you able 01:55:05  
6 to see it or at least able to see it on my screen  
7 well enough to be able to testify about it?

8 A. I can see it yeah, and I -- I also have  
9 it in Exhibit Share.

10 Q. Okay. 01:55:15

11 A. By the new date.

12 MR. MELAMED: Mr. Schwing, would you like  
13 me to wait until you're able to pull it up.

14 MR. SCHWING: I was able to figure it  
15 out. Thank you. 01:55:24

16 MR. MELAMED: Okay.

17 [REDACTED]  
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02:29:15

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1 more concrete. 02:29:17

2 Are you aware that in 2014 Facebook  
3 announced it would deprecate friends permissions  
4 APIs?

5 A. I'm aware that Facebook said it was going 02:29:33  
6 to make friend permissions unavailable to most of  
7 third-party developers.

8 Q. Okay. Did you hear the word -- did you  
9 understand that Facebook used the term  
10 "deprecation" when it -- or deprecate when it made 02:29:48  
11 that announcement?

12 MR. SCHWING: Object to form.

13 THE DEPONENT: I'm aware of the term  
14 "deprecated" being used in -- in that context.

15 Q. (By Mr. Melamed) Okay. And that the 02:29:59  
16 announcement was that friends permissions would be  
17 deprecated for apps then using Graph 1.0 by  
18 April 30th, 2015.

19 Do you understand that?

20 MR. SCHWING: Object to form. 02:30:22

21 THE DEPONENT: There's a number of  
22 different ways that the changes that were announced  
23 were -- were explained to developers. And, again,  
24 deprecated -- the word "deprecated" can be used  
25 in -- can mean different things in different 02:30:36

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3 Q. (By Mr. Melamed) So in the context of  
4 this tool, if "is deprecated" -- let me withdraw  
5 that and ask a different question. 02:30:51

A horizontal bar chart titled "U.S. should take action to address climate change" showing the percentage of respondents who believe the U.S. should take action to address climate change. The chart is broken down by age group (18-29, 30-49, 50-69, 70+) and gender (Male, Female). The y-axis lists 16 different actions, and the x-axis shows the percentage of respondents (0% to 100%).

Action	18-29	30-49	50-69	70+	Male	Female
1. Increase funding for research on renewable energy sources	92%	88%	85%	82%	88%	90%
2. Implement stricter regulations on greenhouse gas emissions	88%	85%	82%	78%	85%	88%
3. Invest in public transportation infrastructure	85%	82%	78%	75%	82%	85%
4. Promote energy efficiency standards for buildings	82%	78%	75%	72%	78%	82%
5. Encourage the use of electric vehicles	78%	75%	72%	68%	75%	78%
6. Establish national parks and protected areas	75%	72%	68%	65%	72%	75%
7. Support international climate agreements	72%	68%	65%	62%	68%	72%
8. Promote sustainable agriculture practices	68%	65%	62%	58%	65%	68%
9. Encourage recycling and waste reduction	65%	62%	58%	55%	62%	65%
10. Increase funding for environmental education	62%	58%	55%	52%	58%	62%
11. Implement carbon pricing mechanisms	58%	55%	52%	48%	55%	58%
12. Support research on climate change impacts	55%	52%	48%	45%	52%	55%
13. Encourage the use of renewable energy in homes	52%	48%	45%	42%	48%	52%
14. Promote sustainable consumption patterns	48%	45%	42%	38%	45%	48%
15. Establish a national climate change task force	45%	42%	38%	35%	42%	45%
16. Increase funding for environmental protection agencies	42%	38%	35%	32%	38%	42%

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THE DEPONENT: Mr. Melamed, would now be

a good time to take a break? We've been going for

an hour and a half. I could -- I could do with a

break, a quick break.

MR. MELAMED: Let's go off the record.

THE VIDEOGRAPHER: Okay. We're off the

record. It's 2:58 p.m.

(Recess taken.)

THE VIDEOGRAPHER: We're back on the

record. It's 3:33 p.m.

02:58:21

02:58:30

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Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Population (millions)	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5
GDP (trillion USD)	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
Life expectancy (years)	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
Urban population (%)	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Renewable energy (%)	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
CO2 emissions (Gt)	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
Forest cover (%)	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Water stress (%)	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Healthcare expenditure (%)	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Education expenditure (%)	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14
Unemployment (%)	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	17.5	18	18.5	19	19.5	20
Income inequality (Gini index)	40	40.5	41	41.5	42	42.5	43	43.5	44	44.5	45	45.5	46	46.5	47	47.5	48	48.5	49	49.5	50
Digital literacy (%)	50	55	60	65	70	75	80	85	90	95	100	100	100	100	100	100	100	100	100	100	100
Gender inequality index	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.95
Trust in government (%)	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Corruption index	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
Peace index	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85
Human Development Index	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90
Environmental quality index	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Social inequality index	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42								

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China	2018	1.0
China	2019	1.0
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MR. SCHWING: Object to form. I'll just

object once to this line of questioning asking

04:23:33

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HIGHLY CONFIDENTIAL

1 about a document that isn't placed before the  
2 witness.

04:23:36

3 MR. MELAMED: Sure.

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## HIGHLY CONFIDENTIAL

1 determine whether an app made the API call for 04:59:28  
2 which it was granted access by the Capabilities  
3 table?

4 MR. SCHWING: Object to form.

5 THE DEPONENT: The Method table 04:59:48  
6 identifies API calls made by a specific app. By  
7 "method," some of those methods are gated by a  
8 capability, but other -- other methods the -- the  
9 behavior of the response is altered by a  
10 capability, for example. 05:00:12

11 So it's not -- it's not a reliable way to  
12 determine whether or not an app was accessing data  
13 that was modified by a capability.

14 Q. (By Mr. Melamed) I understand that. I'm  
15 trying to just understand the request from an app. 05:00:33

16 Where would I go to determine whether,  
17 and if so, how many times an app requested -- I'm  
18 sorry -- an app made an API call that -- for which  
19 it was granted the capability of a capabilities  
20 tool? 05:01:02

21 MR. SCHWING: Object to form.

22 THE DEPONENT: My understanding is in the  
23 past, certainly there was a way of understanding  
24 whether or not a given app capability pair was  
25 being used, by which I mean, the app was making API 05:01:31

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HIGHLY CONFIDENTIAL

1 calls that involved the check of a capability. 05:01:39

2 That information, I recall being

3 displayed in the -- in the capability tool at

4 one -- at one time in the past. Although precisely

5 where that data was stored today, again the tool 05:01:57

6 has evolved over time.

7 But I recall that information being

8 logged at one point in the past.

9 Q. (By Mr. Melamed) Do you know when that

10 information was logged in the capability tool -- or 05:02:09

11 let me rephrase that.

12 Do you know when the capabilities tool

13 stopped logging that information?

14 A. So it's important to say here that the

15 capability tool doesn't necessarily log that 05:02:31

16 information. That information is part of the API

17 code base that runs. I recall that that

18 information was displayed in the capability tool

19 starting in -- in -- in 2014 or so.

20 I -- I don't -- I -- I don't know if that 05:02:54

21 information is still displayed in the capability

22 tool, and I would imagine that it is still being

23 logged however.

24 Q. Do you know where the information is

25 being logged? 05:03:09

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7 Q. And by data warehouse, do you mean  
8 "Hive," or something different?

11 Q. Do you know what table within Hive stores  
12 that tracking information?

16 Q. I'm sorry -- if you wanted to know  
17 whether such a table existed in Hive and, if so  
18 which table it was, who would you ask?

21 Q. And you said that though the capabilities  
22 tool did not log that information, it reflected  
23 that information starting in 2014; is that right?

24	A. I recall the capabilities tool reflecting	
25	some reflection of capability app pair usage in	05:04:49

HIGHLY CONFIDENTIAL

1 around 2014. 05:04:55

2 Q. Do you recall the point at which the  
3 capabilities tool no longer reflected information  
4 regarding capability app pairs? I'm sorry, calls  
5 on capability app pairs? 05:05:14

6 A. So my personal involvement with the  
7 capability tool ended in around 2015. And so  
8 that's -- the period from 2013 or late 20- -- 2014  
9 to '15 is -- is what I'm relying on here for my  
10 testimony, so I'm using the phrase "my 05:05:36  
11 recollection."

12 As I -- my understanding is that -- it's  
13 likely that the usage of capability checks is -- is  
14 still being logged. But I -- I can't confirm which  
15 table, or whether or not or how that information is 05:05:59  
16 represented in the capability tool today.

17 Q. When you left -- when you stopped using  
18 the capabilities tool in your personal capacity as  
19 a Facebook employee, was the information regarding  
20 whether an app capability pair was still being 05:06:21  
21 called, still reflected in the capabilities tool?

22 A. My -- my recollection is that that  
23 information was -- was still reflected in the  
24 capabilities tool. And I'm just being accurate on  
25 the word here. My understanding is that it was 05:06:39

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## HIGHLY CONFIDENTIAL

1 logging if the capability was checked. 05:06:41

2 Q. What does it mean to -- to say a  
3 "capability was checked"?

4 A. My understanding of -- of how capability  
5 is implemented in the code base is that there is 05:06:56  
6 a -- what's called a capability check, which is  
7 a -- a function call given an app ID and a  
8 capability as to whether or not the app had access  
9 to the capability, and that's called a capability  
10 check. 05:07:18

11 MR. MELAMED: We can go off the record.

12 THE VIDEOGRAPHER: Okay. We're off the  
13 record it's 5:07 p.m.

14 (Recess taken.)

15 THE VIDEOGRAPHER: We are back on the 05:07:56  
16 record. It's 5:21 p.m.

17 (Exhibit 430 was marked for  
18 identification by the court reporter and is  
19 attached hereto.)

20 Q. (By Mr. Melamed) Mr. Cross, I've just 05:21:18  
21 marked Exhibit 430. It is a message discussion  
22 between Steven Elia, Scott Mellon, Eddie O'Neil,  
23 Drew Lackman, Cathy Huang, Tatyana --

24 SPECIAL MASTER GARRIE: Guys, I'm ready  
25 to roll whenever you guys are. 05:21:34

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## HIGHLY CONFIDENTIAL

1 MR. SCHWING: We're -- we're underway, 05:21:37  
2 Special Master Garrie. I don't know if you can  
3 hear us. Yeah, we've started.  
4 SPECIAL MASTER GARRIE: Counsel Melamed.  
5 MR. MELAMED: Yup, we're going. Can you 05:21:49  
6 hear?  
7 SPECIAL MASTER GARRIE: Am I talking to  
8 myself.  
9 THE COURT REPORTER: Should we go off the  
10 record? 05:22:01  
11 MR. MELAMED: Yeah, let's go off the  
12 record.  
13 THE VIDEOGRAPHER: We're off the record.  
14 (Recess taken.)  
15 THE VIDEOGRAPHER: We're back on the 05:22:16  
16 record. It's 5:22 p.m.  
17 MR. MELAMED: So I've just marked  
18 Exhibit 430. It's a message summary. The date on  
19 the document is June 14th, 2018. It includes  
20 Cathy Huang, Steve Elia, Scott Mellon, 05:22:39  
21 Eddie O'Neil, Drew Lackman, Cathy Huang -- sorry,  
22 if I mentioned her twice. Tatyana Poturnak and  
23 Konstantinos Papamiltiadis. And it runs from  
24 Bates number FB-CA-MDL-02898663 through -8668.  
25 Q. (By Mr. Melamed) This message summary 05:23:10



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## HIGHLY CONFIDENTIAL

1 MR. SCHWING: Object to form. 05:29:40

2 THE DEPONENT: I -- I think I recall  
3 seeing three tabs in -- in that document. But,  
4 again, I can't be completely sure.

5 Q. (By Mr. Melamed) Do you know -- sorry. 05:29:58

6 You said you pulled -- you went to  
7 that -- to access that document via Quip; is that  
8 right?

9 A. Yes. I -- I -- I accessed that document  
10 via Quip. 05:30:18

11 (Exhibit 431 was marked for  
12 identification by the court reporter and is  
13 attached hereto.)

14 MR. MELAMED: I just introduced what's  
15 been marked as Exhibit 3 -- I'm sorry, 431. 05:31:00  
16 Exhibit 431 is a -- is a spreadsheet FB-CA-MDL --

17 SPECIAL MASTER GARRIE: Where do I  
18 find -- where -- I can't find Exhibit 431. I see  
19 Exhibit 428.

20 MR. MELAMED: I think you're in a 05:31:22  
21 different exhibit folder. There is deposition of  
22 Simon Cross 30(b)(6).

23 SPECIAL MASTER GARRIE: I found it. I  
24 found it. I found it. I was looking at it and I  
25 clicked a different one. There's six folder forms. 05:31:31

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HIGHLY CONFIDENTIAL

1 My apologies for interrupting.

05:31:33

2 MR. MELAMED: So Exhibit 431 is a

3 document with the Bates FB-CA-MDL-02898670. And it

4 was attached to the Exhibit 430.

5 [REDACTED]

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[REDACTED]

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[REDACTED]

23 Back to you Counsel Melamed.

24 MR. MELAMED: Thank you.

25

05:34:52

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2 (Exhibit 432 was marked for  
3 identification by the court reporter and is  
4 attached hereto.)

5 MR. MELAMED: I just introduced what's 05:35:14  
6 been marked as Exhibit 432. Exhibit 432 is an  
7 Excel spreadsheet. FB-CA-MDL-02674226.

8                   The metadata associated with the document  
9       indicates that it was created on August 15th, 2018.

```
11 "ad hoc request friends permission metadata.xlsx."
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A horizontal bar chart with 12 rows. Each row has a label on the left and a corresponding bar. The bars are black and their lengths represent percentages. The labels are: 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1. The bars are arranged in descending order of length from top to bottom.

Category	Percentage
12	100%
11	95%
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Q. Are you familiar with the app "This is

05:40:36

11

Your Digital Life"?

12

A. I have heard of the -- of the app -- This

13

is Your Digital Life.

14

Q. And what is your understanding -- in what

15

context have you heard of the app, This is Your

05:40:49

16

Digital Life?

17

A. I've heard of that in the context of

18

Cambridge Analytica.

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Where did Facebook identify the

developers that could continue to access Graph 1.0

API after it was deprecated?

MR. SCHWING: Object to form.

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MR. SCHWING: Object to form.

13

THE DEPONENT: I would speak to

14

Mr. Molaro in the first instance.

15

SPECIAL MASTER GARRIE: Counsel Melamed,

06:19:35

16

I'm going to encourage you to go to the next topic

17

since it's -- he's not an expert on it and has no

18

personal knowledge of it. And so on and so forth.

19

MR. MELAMED: Okay. Understood. I -- I

20

was trying to understand the way in which Facebook

06:19:49

21

tracks data.

22

SPECIAL MASTER GARRIE: Counsel Schwing.

23

MR. MELAMED: I'm sorry.

24

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SPECIAL MASTER GARRIE: Just because --

just let me weigh in here, so we heard that. I

just want to set -- level set here. If the

information exists in one source, and it is

06:21:32

accessible and provided it's not necessary that all

sources need to be searched.

So I just want to keep that in mind,

Counsel Schwing. So before you go down the rabbit

hole, maybe first find out how the systems work

06:21:45

together and what data is in which, so that way we

don't have a lot of conversation about something

that may be encapsulated in something you've

already engaged with. So just meet and confer.

And work that out.

06:21:58

But more importantly, let's keep on point

with Mr. Cross, Mr. Melamed -- or Counsel Melamed

and Counsel Schwing, and move to next topic. And

this is noted on the record and we'll keep it

going.

06:22:09

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HIGHLY CONFIDENTIAL

1 MR. SCHWING: Thank you. 06:22:10

2 MR. MELAMED: Thank you.

3 Why don't we take a five-minute break.

4 MR. SCHWING: Okay.

5 THE VIDEOGRAPHER: Okay. We're off the 06:22:17  
6 record. It's 6:22 p.m.

7 (Recess taken.)

8 THE VIDEOGRAPHER: We're back on the  
9 record. It's 6:38 p.m.

10 MR. MELAMED: So thank you for your 06:38:16  
11 testimony, Mr. Cross, on topics 2 -- on behalf of  
12 plaintiffs, we think we're going to need additional  
13 testimony from a Facebook designee about some  
14 questions you were unable to provide answers to.  
15 But we'll deal with that off the record. I just 06:38:32  
16 want to establish that on the record.

17 Otherwise thank you for your time. And I  
18 understand that Mr. Loeser is going to return for  
19 some follow-up questioning regarding topics 6 and  
20 7 after a short break, or after a break. 06:38:48

21 MR. SCHWING: I -- I -- this is not the  
22 time or place to argue. So we can talk about that  
23 off -- offline. Matt, we had four days of -- of,  
24 you know, five days almost now testimony and we  
25 will meet and confer with you about that, and, 06:39:08

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HIGHLY CONFIDENTIAL

1 you know, and try to work through the issues. And 06:39:11  
2 as necessary and appropriate work with the  
3 Special Master, and I'm happy to talk to you about  
4 that.

5 MR. MELAMED: Thank you. 06:39:21

6 We can go off the record.

7 (Discussion off the stenographic record.)

8 THE VIDEOGRAPHER: We're off the record.

9 It's 6:40 p.m.

10 (Recess taken.) 06:40:21

11 THE VIDEOGRAPHER: We're back on the

12 record. It's 7:29 p.m.

13 EXAMINATION

14 BY MR. LOESER:

15 Q. It is still good morning for me, 07:37:08

16 Mr. Cross, but it's good evening for you.

17 And I have some questions. Hopefully it  
18 won't take too long so we'll jump in and get  
19 started.

20 Are you able to continue testifying now? 07:37:26

21 A. Yeah, let's keep going.

22 Q. Okay. Mr. Cross, in 2018 after --

23 MR. SCHWING: I'm sorry to interrupt you,

24 Mr. Loeser, it's just before we -- we can either do

25 this now or later. Before the -- the testimony 07:37:41

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HIGHLY CONFIDENTIAL

1 started back up, I indicated that Mr. Cross wanted 07:37:44  
2 to clarify something in his testimony. I'll leave  
3 it to you as to whether or not you want to do that  
4 now or in a little bit.

5 MR. LOESER: If it's okay with you, I'm 07:37:55  
6 fine if you want to just ask him for his  
7 clarification on -- on a redirect type basis. That  
8 I think probably works best for the record. If  
9 that works for you.

10 MR. SCHWING: Sure. That's fine. Thank 07:38:08  
11 you.

12 Q. (By Mr. Loeser) Mr. Cross, in 2018 after  
13 the Cambridge Analytica scandal broke, Facebook  
14 received negative press about its data sharing  
15 practices with apps and partners, correct? 07:38:20

16 MR. SCHWING: Outside the scope. Object  
17 to form.

18 THE DEPONENT: I recall a number of  
19 articles about Cambridge Analytica.

20 Q. (By Mr. Loeser) And were any of those 07:38:36  
21 articles -- would you consider any of those  
22 articles as having been negative press about  
23 Facebook's data sharing practices?

24 MR. SCHWING: Same objections.

25 THE DEPONENT: I recall concerns being 07:38:52

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HIGHLY CONFIDENTIAL

1 raised in -- in the media regarding -- regarding 07:38:54  
2 the Cambridge Analytica situation, yes.

3 Q. (By Mr. Loeser) And Mr. Cross, after the  
4 Cambridge Analytica scandal broke, Facebook sought  
5 to sort out and identify which apps and partners 07:39:07  
6 continued to have access to friends data through  
7 whitelist; is that correct?

8 MR. SCHWING: Object to form.

9 THE DEPONENT: After Cambridge Analytica  
10 the company -- the company undertook a number of 07:39:24  
11 efforts to -- to understand and identify  
12 applications that had access to information.

13 Q. (By Mr. Loeser) And sir, that  
14 investigation looked specifically into applications  
15 that had access to information through whitelists, 07:39:43  
16 right?

17 MR. SCHWING: Outside the scope.

18 THE DEPONENT: My understanding is that  
19 the -- the work that was done included looking at  
20 the whitelists. But it also included other 07:40:01  
21 areas -- areas of inquiry too.

22 Q. (By Mr. Loeser) And, Mr. Cross, isn't it  
23 the case that Facebook struggled to identify all of  
24 the apps and partners that had access to friends  
25 data through whitelist? 07:40:17

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HIGHLY CONFIDENTIAL

1 MR. SCHWING: Vague. 07:40:20

2 THE DEPONENT: The team working on  
3 this -- this work faced -- faced a number of  
4 challenges in pulling together a complete  
5 understanding. And they -- they worked hard to do 07:40:37  
6 so.

7 Q. (By Mr. Loeser) And Mr. Cross, what were  
8 the challenges that the team investigating  
9 whitelists and specifically whitelists that  
10 provided access to friends database? 07:40:51

11 MR. SCHWING: Object to form. Outside  
12 the scope.

13 THE DEPONENT: So I wasn't -- I wasn't  
14 there at the time, I'm afraid. But -- sorry. It's  
15 hard to comment precisely on all of the challenges 07:41:10  
16 that -- that were faced at the time.

17 Q. (By Mr. Loeser) Mr. Cross, can you  
18 testify as to any of the challenges that were faced  
19 at the time?

20 A. So there were a number of different 07:41:30  
21 whitelists in place, and different mechanisms for  
22 API access. And the team had to pull together  
23 to -- and did, in order to like fully understand  
24 API access at the time.

25 Q. And, Mr. Cross, was one of the challenges 07:41:58

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HIGHLY CONFIDENTIAL

1 MR. SCHWING: Object to form. 07:43:35

2 THE DEPONENT: So there were different

3 teams involved in managing access, the -- the

4 migration of the APIs in 2014 and 2015. And so

5 it's possible the number of people involved. 07:43:58

6 Q. (By Mr. Loeser) What -- what were the  
7 different teams?

8 MR. SCHWING: Object to form. Outside  
9 the scope.

10 THE DEPONENT: My understanding is there 07:44:13

11 were several teams involved, the platform

12 partnerships team, for example, and we have all

13 partnerships teams, so those were two examples of

14 teams that would have been involved.

15 Q. (By Mr. Loeser) And are those teams that 07:44:32

16 had the authority to whitelist an app or a partner

17 to have continued access to friend data?

18 MR. SCHWING: Object to form.

19 THE DEPONENT: Can you be specific about

20 the -- the time period you're talking about. 07:44:47

21 Q. (By Mr. Loeser) The period after 2014

22 when Graph API -- AP [sic] version 2 was uploaded?

23 A. I'm sorry, what was the original question  
24 again?

25 Q. Did each of the teams you just mentioned 07:45:09

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HIGHLY CONFIDENTIAL

1 have authority to whitelist apps or partners to 07:45:11  
2 have continued access to APIs that emit friend  
3 data?

4 MR. SCHWING: Object to form.

5 THE DEPONENT: The decision to whitelist 07:45:22  
6 apps for continued access to friend permissions,  
7 for example, was taken on a -- on a case-by-case  
8 basis among mul- -- multiple teams to come to a  
9 recommendation decision.

10 Q. (By Mr. Loeser) Okay. List for me all 07:45:41  
11 of the teams that had the ability to do that?

12 MR. SCHWING: Object to form.

13 THE DEPONENT: I wouldn't be able to,  
14 you know, a list of every single team that may have  
15 been involved. Over time I can talk to some of the 07:45:58  
16 ones I've already identified. There's the platform  
17 product team, the platform partnerships teams and  
18 they're the folks that would have worked together  
19 to -- to come to a recommendation.

20 MR. LOESER: I'm going to introduce an 07:46:22  
21 exhibit which is tab 34, which you should see  
22 momentarily. And this is Exhibit 434.

23 Q. (By Mr. Loeser) And while this is coming  
24 up, I'll tell you this is an email from Dan Rose to  
25 Ime Archibong dated 6/22/2018 subject "Re: 07:46:59

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HIGHLY CONFIDENTIAL

1 V1 extensions." 07:47:03

2 Do you see that, Mr. Cross?

3 A. I do see that.

4 Q. Why don't you take a minute to -- to look

5 through the email string. And I have a few 07:47:13

6 questions for you about the string.

7 A. Sure. Thank you.

8 MR. SCHWING: Mr. Loeser, I think for the

9 record this was previously marked not too long ago

10 as 433, Exhibit 433. 07:47:45

11 MR. LOESER: Thank you for that

12 clarification. We'll correct that.

13 MR. SCHWING: So you've -- you've now --

14 well, you can do what you want. If you want to

15 have it as an exhibit twice I just want to make 07:48:02

16 sure there's no confusion.

17 MR. LOESER: Why don't we go off the

18 record real quickly.

19 THE VIDEOGRAPHER: Going off the record.

20 It's 7:48 p.m. 07:48:17

21 (Recess taken.)

22 THE VIDEOGRAPHER: We're back on the

23 record. It's 7:50 p.m.

24 MR. LOESER: So for the record, we just

25 marked an exhibit and didn't realize it had just 07:50:58

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5 Q. (By Mr. Loeser) And I have a couple more 07:51:16  
6 questions about this exhibit.

12           A.    I have had a chance to review this just  
13   now, thank you.

14

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Q. (By Mr. Loeser) Mr. Cross, to prepare

for your testimony today, did you reach out to KP

and ask him any questions about the whitelisting

process or results?

A. I did not speak to KP as part of my

preparations for today.

07:57:11

07:57:28

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HIGHLY CONFIDENTIAL

1 Q. Mr. Cross, can Facebook identify all apps 07:57:31  
2 that had access to APIs that emit friend data post  
3 2014?

4 MR. SCHWING: Object to form.

5 THE DEPONENT: Again, I think it's 07:57:49  
6 important to -- I'm unclear on what you mean by  
7 "friend data" in this -- in this context.

8 Q. (By Mr. Loeser) Okay. How -- how does  
9 Facebook use the term "friend data"?

10 A. The -- Facebook has used that term in a 07:58:10  
11 number of different ways. Primarily, it refers to  
12 content and information posted by a user that would  
13 be made available via platform.

14 Q. So using that definition, can Facebook  
15 identify all apps that had access to APIs that emit 07:58:36  
16 friend data after 2014?

17 A. So my understanding is Facebook has  
18 altogether an understanding of the apps which had  
19 access to -- to friend data after 2014.

20 Q. Can Facebook identify all Facebook users 07:59:02  
21 who installed apps with access to APIs that emit  
22 friend data after 2014?

23 MR. SCHWING: Object to form. Outside  
24 the scope.

25 THE DEPONENT: I'm not entirely confident 07:59:22

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HIGHLY CONFIDENTIAL

1 that exactly what -- what Facebook can do in 07:59:24

2 that -- in that respect. Yeah, so -- so sorry.

3 I'm not sure I know what Facebook is able to do.

4 [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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Q. Mr. Cross, did Aleksander Kogan's sale of Facebook data he obtained from the friends of users who installed the, This Is Your Digital Life app, exceed the use case for the app?

MR. SCHWING: Outside the scope of the 08:06:10

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HIGHLY CONFIDENTIAL

1 deposition and object to form. 08:06:12

2 THE DEPONENT: That seems to be a

3 question about platform policy as -- as written,

4 which is not something I'm -- I'm particularly well

5 qualified to -- to provide an opinion on. I think 08:06:30

6 the best person to ask that question to would be

7 Ally Hendrix.

8 SPECIAL MASTER GARRIE: Mr. Cross, while

9 I appreciate you telling who's the -- are you

10 saying in your 30(b)(6) capacity that's who you 08:07:01

11 believe is the best person. You're not -- you're

12 not able to answer that question today as you sit

13 here, is that -- I was just reading the transcript.

14 So I'm a second behind, but I want to make sure I

15 understood your answer. 08:07:18

16 Can you answer that question or not, as

17 the 30(b)(6) capacity, right, let's be clear.

18 MR. SCHWING: Yeah, and -- and we've got

19 a scope objection there.

20 SPECIAL MASTER GARRIE: Yeah, with the 08:07:37

21 scope objections noted on the record. I just --

22 Mr. Cross?

23 THE DEPONENT: Yeah, that -- that --

24 SPECIAL MASTER GARRIE: If you're not

25 prepared -- like let me be clear. There's three 08:07:49

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1 possible answers. I'm not prepared to answer the 08:07:52  
2 question. I am prepared to question [sic]. I  
3 don't understand the question.

4 THE DEPONENT: Yeah, I'm not prepared to  
5 answer the question. I think that's a question 08:07:59  
6 about platform policy and it's determination of the  
7 platform policy, which is not something that I'm  
8 prepared to testify on.

9 SPECIAL MASTER GARRIE: And that's what I  
10 thought I understood your answer as. I just wanted 08:08:09  
11 to clarify it for the record. Thank you.

12 Back to you, Counsel Loeser.

13 Q. (By Mr. Loeser) And regardless of  
14 whether you -- you believe you're prepared as a  
15 30(b)(6) witness to testify to that or not which is 08:08:18  
16 a question I suppose for another day, can you  
17 answer the question?

18 A. You're asking me in a personal capacity  
19 to answer the question?

20 Q. I'm just asking you to answer the 08:08:35  
21 question. In what capacity you answer it I suppose  
22 is something that can be determined. But I would  
23 like for you to answer the question.

24 MR. SCHWING: Outside of the scope.

25 Object to form. 08:08:48

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[illegible]

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1 the question? 08:09:59

2 A. Again, I don't feel like I can answer the  
3 question. As -- it would require me to have,  
4 you know -- interpret policy which is not something  
5 that I'm -- I'm an expert in being able to do. 08:10:10

6 Q. So you're not able to answer that  
7 question.

8 MR. SCHWING: Same objections.

9 THE DEPONENT: Yeah, I don't -- I don't  
10 feel -- I don't feel comfortable giving an answer 08:10:25  
11 to that question given -- I'm just not that well  
12 versed in Facebook's platform policy. And I want  
13 to make sure that you get the right answers to your  
14 questions.

15 MR. SCHWING: Special Master Garrie, may 08:10:42  
16 I make a Rule 30 motion without Mr. Cross present.

17 SPECIAL MASTER GARRIE: Yeah, Mr. Cross  
18 you can -- can you go to the break out room.

19 THE DEPONENT: Sure.

20 MR. SCHWING: Special Master Garrie, 08:11:03  
21 Mr. Loeser is supposed to be asking questions about  
22 topics 6 and 7. Mr. Cross is not designated to  
23 discuss the use-case issues that are being asked  
24 about. He's made that clear, but Mr. Loeser  
25 continues to ask the questions. 08:11:18

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1 Mr. Cross is going to be providing 08:11:20  
2 another deposition later in his personally  
3 capacity. We've been going for now, you know, near  
4 five days and we need to try to finish. So I would  
5 request some relief here that we try to speed this 08:11:32  
6 along on the topics he's actually designated for.

7 MR. LOESER: May I be heard,  
8 Special Master Garrie.

9 SPECIAL MASTER GARRIE: Yeah.

10 MR. LOESER: So I'm asking questions that 08:11:43  
11 are specifically and directly about friend sharing  
12 and whitelisting. And friend sharing is what  
13 Cambridge Analytica is all about. The notice, in  
14 fact, refers to use cases with regard to  
15 whitelisting which is what I'm about to ask further 08:11:56  
16 questions on. I don't have more questions about  
17 Cambridge Analytica. So we can move on from that.

18 But it is simply not true that questions  
19 about Cambridge Analytica which is friend sharing,  
20 the whole scandal friend sharing, does not relate 08:12:08  
21 to the topic of friend sharing identified in the  
22 notice.

23 So I don't think we need to have a long  
24 fight about it because I don't have further  
25 questions about the use-case issue regarding friend 08:12:16

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1 sharing, but I do have some additional questions 08:12:21  
2 about use case relating to whitelisting because  
3 it's specifically identified in --

4 SPECIAL MASTER GARRIE: It does state it  
5 in the notice. 08:12:27

6 Counsel Schwing, any comment?

7 MR. SCHWING: So topic 6 is related to  
8 the development of friend sharing, that's the  
9 topic, the development of friend sharing. So this  
10 is, you know, what we ought to be focused on. I 08:12:45  
11 don't see -- so where -- where is this bit about --  
12 the use case that you're talking about.

13 MR. MELAMED: 7A says and whether the  
14 access granted exceeded the use case.

15 MR. SCHWING: Okay. And 7 is, the topic 08:13:03  
16 is the decision to whitelist particular apps or  
17 partners.

18 MR. LOESER: That's what I'm about to  
19 talk about --

20 MR. SCHWING: Sorry. Please let me 08:13:14  
21 finish, Mr. Loeser.

22 MR. LOESER: Sorry.

23 MR. SCHWING: The decision to whitelist  
24 particular apps or partners and how Facebook  
25 determined which entities to whitelist. 08:13:18

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1                   So the topic is not sort of anything and                   08:13:20  
2                   everything ever to do with, you know, about  
3                   whitelisting. It's a specific narrow topic. It  
4                   sounds like Mr. Loeser is moving -- moving along  
5                   and I -- I think we all share a mutual interest                   08:13:32  
6                   in -- in finishing. I just want to make sure that  
7                   we're not --

8                   SPECIAL MASTER GARRIE: I agree. I am  
9                   ready to rule.

10                  So Mr. Loeser, your questions he's                   08:13:40  
11                  answered them. They are gracefully in a gray zone  
12                  that will bear into an area where it will prove  
13                  more problematic for you. So if you're moving to  
14                  the next set of questions as 7A dictates you're  
15                  more than welcome to cover that topic as indicated                   08:13:58  
16                  and as defined. I don't have any problems with  
17                  that. And I think that is appropriate.

18                  So I will move -- we will move forward  
19                  with the questions. But friend sharing does relate  
20                  to a use case under 7A, under whitelisting                   08:14:15  
21                  defend- -- depending -- the definition of  
22                  whitelisting is defined as what Mr. Loeser --  
23                  Counsel Loeser?

24                  MR. LOESER: Whitelisting is providing --  
25                  Mr. Cross has defined it as providing access to                   08:14:33

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1 nonpublic APIs and private APIs, so... 08:14:35

2 I mean, I -- that's what I'm asking  
3 about. And --

4 SPECIAL MASTER GARRIE: I get it. I  
5 agree. So that's fine. We'll move along. I think 08:14:45  
6 that makes sense.

7 Counsel Schwing, we'll move it along. I  
8 agree. But I do think that there is a pretty wide  
9 birth under 7A for as long as it stays focused on  
10 the whitelisting topic. And I think it's within 08:15:01  
11 the scope of, while narrow is very specific in --  
12 in its application.

13 Any last comments, Counsel Schwing or...

14 MR. SCHWING: Yeah, I mean, I think all  
15 of 7 kind of ties back to the beginning of it which 08:15:24  
16 is the decision to whitelist particular apps or  
17 partners and how Facebook determined which entities  
18 to whitelist. You know, the issues about exceeding  
19 the use case. I mean, there's a whole -- there was  
20 a whole separate deposition about that. 08:15:41

21 SPECIAL MASTER GARRIE: Yeah.

22 MR. SCHWING: And so look, I think we can  
23 move along. I just -- to the extent that they're  
24 repeated questions about, you know, that he's --

25 SPECIAL MASTER GARRIE: Let me put it to 08:15:51

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1 you differently. I agree with Counsel Schwing in 08:15:52  
2 the fact that when you ask a question  
3 Counsel Loeser, and he says "I'm not here to  
4 testify about it." And then he says it again "I'm  
5 not here to testify about it." 08:16:00

6 That should be sufficient for you to move  
7 onto another question and keep it moving forward,  
8 generally speaking. Or you can make a motion or  
9 Rule 30 motion and we go and excuse the witness and  
10 discuss it future. But I don't think asking the 08:16:15  
11 witness the same thing will prove to be effective.

12 MR. LOESER: Yeah, that -- that's fine.  
13 I mean, you know, typically a scope objection is  
14 made, 30(b)(6) witnesses testify all the time.  
15 There's always a fight about whether it's in scope 08:16:29  
16 or out of scope and if they provide what becomes  
17 personal testimony there's nothing. That's just  
18 how it -- how it works.

19 I'd also just note just so it's clear, I  
20 think Mr. Schwing and I have a slightly different 08:16:39  
21 understanding of how a notice operates under  
22 30(b)(6). The law is quite clear that it sets the  
23 minimum not the maximum of what you can ask about.

24 SPECIAL MASTER GARRIE: I'm -- I'm not --  
25 I'm not talking about scope. I'm talking about 08:16:49

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1 form. 08:16:51

2 What I'm saying is, if you want to ask in

3 your personal capacity or in your non30(b)(6)

4 capacity to get -- he said, "I'm not here to

5 testify in my" -- as -- "as a representative of 08:17:00

6 Facebook to answer this question."

7 You said, "Will you answer this

8 question."

9 And then he said, "Do you mean in my

10 personal capacity?" 08:17:09

11 And your response was "Just answer the

12 question."

13 So if you want him to answer the question

14 in his personal capacity, he will. But he will not

15 answer -- and that resulted in a circular set of 08:17:19

16 questions where you asked him again the exact same

17 question and ended up at the exact same point.

18 So you would need to offer that

19 clarification because he has answered the question

20 as he understood it, which was you are asking him 08:17:30

21 in his professional 30(b)(6) capacity. Which is

22 why he answered it accordingly. Whether you agree

23 or not, that was the answer provided. We went in a

24 circle and got back to the same point.

25 MR. LOESER: Yeah, well, fortunately I 08:17:44

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1 don't have any more questions on that. And I do 08:17:44  
2 have questions on whitelisting and use cases --  
3 SPECIAL MASTER GARRIE: That's fine.  
4 Let's get it on the road. Show on the road.  
5 MR. LOESER: I think Austin and I have a 08:17:53  
6 common and -- and clear desire to make this  
7 deposition over with. So --  
8 MR. SCHWING: This is --  
9 SPECIAL MASTER GARRIE: Let's be clear  
10 I -- I'm not opining with the minimum or maximum. 08:18:01  
11 I am opining, though, with the format -- the form  
12 of how it goes. So we'll get the witness back.  
13 But just keep that in the back of your mind,  
14 Counsel Loeser --  
15 MR. LOESER: Sure. 08:18:13  
16 SPECIAL MASTER GARRIE: -- that if it  
17 happens again I'll cut it off, and I'll just tell  
18 you to ask the next question. Or you can tell him  
19 in your personally capacity. Because you have to  
20 explain to the witness the question you're asking 08:18:20  
21 so he can then answer the question. He couldn't  
22 answer the question because he didn't understand  
23 how you were asking him.  
24 MR. LOESER: Understood.  
25 SPECIAL MASTER GARRIE: Okay. 08:18:30

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Age Group	Don't know	No	Yes	Probably yes	Probably no
16-24	16%	10%	10%	10%	10%
25-34	10%	10%	40%	10%	10%
35-44	10%	10%	10%	30%	10%
45-54	10%	10%	10%	10%	10%
55-64	10%	10%	10%	10%	10%

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Q. (By Mr. Loeser) Mr. Cross, topic --

topic 7B asks for "the most efficient way to

establish payments, revenues, exchanged value

actual or promised, that Facebook received for" --

"for permitting whitelisting capabilities."

And in your preparations for your

testimony for this -- on this topic, did you

08:27:17

08:27:54

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1 investigate that question? 08:27:59

2 A. I spoke to a number of people involved in  
3 the API changes and in around 2014 and '15 to  
4 understand their understanding of how decisions  
5 were made. 08:28:26

6 Q. And specifically with regard to payments,  
7 revenues, exchanged value actual or promised, who  
8 did you talk to to drill down on whether any such  
9 payments, revenues, exchanged value actual or  
10 promised were provided to Facebook for permitting 08:28:44  
11 whitelisting?

12 A. I spoke to Ime Archibong. I spoke to  
13 Francisco Varela, and those are the two names off  
14 the top of my head. I spoke to a number of people  
15 involved in this -- in preparation for today. 08:29:08

16 Q. Did you speak to anyone who worked on  
17 the -- in an advertising department at Facebook?

18 A. Did I speak to anyone in advertising  
19 department.

20 Q. Or more broadly, anyone that -- that was 08:29:30  
21 involved in the business of advertising on the  
22 Facebook platform?

23 A. I spoke with Vatsal Mehta. Who's  
24 involved in -- in that side of the company as I  
25 understand it. 08:29:49

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1 Q. Okay. And what -- what did -- is that 08:29:49

2 a -- what was that person's name, I'm sorry?

3 A. Vatsal Mehta.

4 Q. Could you spell the first name.

5 A. V-A-T-S-A-L. The surname is Mehta. 08:30:07

6 M-H-E-T-A [sic] I think.

7 Q. And what did you learn from Mr. Mehta?

8 A. He was not able to identify for me

9 examples of how Facebook received payments for

10 whitelisting. 08:30:34

11 Q. Now, the next paragraph clause in the

12 notice says "and the revenues and net profits

13 Facebook recognized related to whitelisting through

14 the class period."

15 Did you investigate anything of value 08:30:54

16 received by Facebook that related to whitelisting?

17 MR. SCHWING: Outside the topic.

18 THE DEPONENT: Again, I spoke to a number

19 of people who were involved in whitelisting and

20 partnerships to understand if they had any 08:31:19

21 understanding of value received or payments made.

22 MR. LOESER: All right. If we can put up

23 Exhibit 339.

24 Q. (By Mr. Loeser) Mr. Cross, I'm showing

25 you what was previously marked as Exhibit 339. 08:32:03

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Q. And that's why you didn't talk to her?

3

4

A. My understanding is that yes, because she is not employed at Facebook and it's not

5

appropriate to reach out to her.

08:35:20

6

7

Q. Did you talk to or seek to find out if anyone else received this PowerPoint who still

8

works at Facebook?

9

10

A. I didn't, like, try and understand who else might have received this PowerPoint. However,

08:35:44

11

I have spoken to Mr. Archibong who likely may have

12

received this -- this PowerPoint at some time.

13

14

Q. And did you talk to him about this PowerPoint?

15

16

A. I talked to him about the -- his

08:36:04

17

understanding of how valuations were -- were made about apps to whitelisting.

18

19

Q. But did you talk to him specifically about this PowerPoint?

20

21

A. I don't recall showing this PowerPoint to

08:36:21

22

Mr. Archibong, but we talked in general about the topics contained within.

23

24

Q. Did you talk to him about what Facebook had to lose if certain partners stopped using the

25

Facebook platform?

08:36:36

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## HIGHLY CONFIDENTIAL

1 MR. SCHWING: Object to form. 08:36:40

2 THE DEPONENT: We discussed whether or  
3 not, what the potential implications of the changes  
4 might be and how Facebook -- how he and his  
5 partnerships team thought about those potential 08:36:56  
6 changes.

7 Q. (By Mr. Loeser) That's not quite what I  
8 asked you. So I will -- if you can answer the  
9 question I had asked I would appreciate it. Which  
10 if I could get this computer to work I read back to 08:37:13  
11 you.

12 MR. SCHWING: The court reporter could --

13 MR. LOESER: Yeah, I have it now. I'm  
14 sorry, Austin. I didn't mean to interrupt you.

15 MR. SCHWING: Yeah, if -- if you could 08:37:25  
16 read it again that would be wonderful, thank you.

17 Q. (By Mr. Loeser) Did you talk to  
18 Mr. Archibong about what Facebook had to lose if  
19 certain partners stopped using the Facebook  
20 platform? 08:37:38

21 MR. SCHWING: Object to form.

22 THE DEPONENT: We talked about -- me and  
23 Mr. Archibong talked about the potential  
24 implications for the developing ecosystem from  
25 these changes that were proposed at the time. 08:37:54

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1 Q. (By Mr. Loeser) And Mr. Cross, did that 08:37:57  
2 include what Facebook had to lose if certain  
3 partners stopped using the platform?

4 MR. SCHWING: Object to form.

5 THE DEPONENT: We talked about the 08:38:11  
6 potential impact to developers and -- and the  
7 developer ecosystem which would be an impact on --  
8 on Facebook.

9 Q. (By Mr. Loeser) Mr. Cross, I'm just  
10 trying to get a straightforward yes-or-no answer to 08:38:26  
11 a straightforward question.

12 So I'll ask again. And if you could just  
13 answer, we can move on to the next question.

14 Do you need me to read back the question  
15 again? 08:38:41

16 A. So we talked about the -- you're using a  
17 phrase that -- "what do we have to lose." Do I  
18 recall using that specific phrase with  
19 Mr. Archibong, I don't recall using that specific  
20 phrase in that conversation with him. 08:38:53

21 But I do recall we talked about his  
22 understanding of the discussions at the time as to  
23 the impact on Facebook and third-party developers  
24 of the changes, which would encompass things that  
25 the company might have to deal with and the value 08:39:16

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1 that the company might lose. 08:39:22

2 Q. And, again, so the record is clear, you  
3 did not talk to him specifically about this  
4 PowerPoint, correct?

5 A. I did not talk to Mr. Archibong 08:39:30  
6 specifically about this PowerPoint. But we -- we  
7 talked about the general topics contained within  
8 which was important for me to help prepare myself  
9 for -- for today's testimony.

10 Q. Now for a PowerPoint -- for a PowerPoint 08:39:43  
11 like this, would that have been a formal task or  
12 Quip generated in connection with the project?

13 MR. SCHWING: Object to form. Outside  
14 the scope.

15 THE DEPONENT: Yeah, I can't say exactly 08:39:58  
16 what the -- the partnerships team would have  
17 operated at this time and whether or not they'd  
18 have other documentation. Typically somebody  
19 would -- would be asked to work on something and  
20 work on it. I'm not able to say whether or not in 08:40:18  
21 this case there were other tasks and documents.

22 Q. (By Mr. Loeser) Did you search for a  
23 formal task generated in connection with this  
24 project?

25 A. I did not search for a task in 08:40:39

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1 relationship to this specific deck. 08:40:41

2 Q. How about a Quip?

3 A. I did not search for a Quip relating to  
4 this specific deck either.

5 Q. And were you able to determine what, if 08:40:57  
6 anything, was done with this evaluation that's  
7 contained in this PowerPoint by Facebook?

8 MR. SCHWING: Object to form.

9 THE DEPONENT: In talking to the -- to  
10 the people involved, my understanding is that 08:41:16  
11 this -- this PowerPoint does not -- was -- did not  
12 go on to be used to determine which apps should or  
13 should not be whitelisted.

14 Q. (By Mr. Loeser) And yet you didn't talk  
15 about the PowerPoint specifically with anyone that 08:41:33  
16 you talked to to prepare for your testimony, right?

17 MR. SCHWING: Object to form.

18 THE DEPONENT: I spoke to Mr. Archibong  
19 about his recollection around the time and how  
20 decisions were made, and he does not recall a 08:41:52  
21 formal framework being used ultimately to make --  
22 make decisions.

23 Q. (By Mr. Loeser) You didn't say  
24 Mr. Archibong, have you seen this PowerPoint  
25 before, right? 08:42:08

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1 MR. SCHWING: Asked and answered. 08:42:15

2 THE DEPONENT: As I said, I did not show  
3 this PowerPoint to -- to Mr. Archibong.

4 Q. (By Mr. Loeser) You didn't say  
5 Mr. Archibong, what do you think about the analysis 08:42:22  
6 that's contained in the PowerPoint, right?

7 A. Me and Mr. Archibong talked about how,  
8 his recollection of how decisions were made and  
9 ultimately what considers -- and what factors and  
10 considerations were -- were included. I -- I did 08:42:45  
11 not specifically show him this PowerPoint.

12 Q. Mr. Cross, isn't it a fact that Facebook  
13 treated certain developers specially based on their  
14 value to Facebook and ad spend?

15 MR. SCHWING: Object to form. 08:43:07

16 THE DEPONENT: It's true that Facebook  
17 whitelisted certain apps for having access to  
18 additional information. But I'm -- I'm not aware  
19 of -- in terms of the friends' information whether  
20 or not that was in any way related to -- to 08:43:34  
21 ad spend.

22 Q. (By Mr. Loeser) And so you don't know  
23 one way or the other?

24 MR. SCHWING: Object to form.

25 THE DEPONENT: Sorry, I'm not sure I 08:43:46

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1 understand. 08:43:48

2 Q. (By Mr. Loeser) So you don't know if, in  
3 fact, certain developers were treated specially  
4 based on their value to Facebook and ad spend,  
5 right? 08:43:59

6 MR. SCHWING: Object to form.

7 THE DEPONENT: Are you talking to the  
8 people involved in terms of apps that were  
9 whitelisted for extensions or exemptions to API  
10 version 1, there was -- from the people I've spoken 08:44:15  
11 to, there is nothing about their impact on ad spend  
12 that was involved in the decision to whitelist  
13 them.

14 Q. (By Mr. Loeser) And is that a question  
15 that you asked? 08:44:34

16 A. Yes, I asked people whether or not they  
17 recall revenue being involved in the ultimate  
18 decision to whitelist apps for access to friend  
19 data, and I was not able -- everybody suggested to  
20 me that -- that I spoke to that that was not the 08:44:56  
21 case.

22 Q. And the people that you spoke to are  
23 Ime Archibong and who else?

24 A. I spoke to Ime Archibong. I spoke to  
25 Francisco Varela, and a number of other people 08:45:20

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1 whose -- whose names in relation to this, I can't 08:45:26  
2 recall right now.

3 Q. And did you ask them if ad spend was  
4 taken into the account in the decision to whitelist  
5 any partners? 08:45:35

6 A. Yes, my understanding is that from --  
7 from the people I spoke to, ad spend was -- was not  
8 taken into account in a decision to whitelist  
9 anyone for an extension to -- or exemption from  
10 the -- the changes in API version 1 to 2 with 08:45:56  
11 respect to friends data.

12 Q. And who specifically told you ad spend  
13 wasn't taken into account?

14 A. Mr. Archibong talked to me about ad spend  
15 not being a deciding factor. I'm sorry, he was one 08:46:17  
16 of people who said that.

17 Q. And you said "deciding factor."  
18 Does that mean the same thing to you as  
19 taken into account?

20 A. Yes, that would mean the same thing to me 08:46:34  
21 as taken into account in terms of the ultimate  
22 decision to grant access.

23 Q. And have you examined the number of  
24 whitelisting partners that had significant ad spend  
25 on the Facebook platform? 08:46:52

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1 MR. SCHWING: Object to form. 08:46:55

2 THE DEPONENT: I'm not sure what you mean  
3 by partners who have significant ad spend on the  
4 Facebook platform.

5 Q. (By Mr. Loeser) Okay. How would you 08:47:08  
6 describe partners paying money to Facebook for  
7 advertising on the platform?

8 MR. SCHWING: Object to form.

9 THE DEPONENT: So companies often buy ads  
10 with Facebook, and that's handled by the -- the 08:47:28  
11 advertising arm of the business. So I think that's  
12 what we mean...

13 Q. (By Mr. Loeser) Okay. And has Facebook  
14 examined the number of whitelisted partners that  
15 paid money to Facebook for advertising on the 08:47:45  
16 Facebook platform?

17 MR. SCHWING: Object to form.

18 THE DEPONENT: I mean, many organizations  
19 spend -- spend money with Facebook on -- in some  
20 way. So I'm kind of -- I'm not entirely sure how 08:48:04  
21 to answer the question.

22 Q. (By Mr. Loeser) Well, let me ask it  
23 again. And I -- it's -- I'm trying to ask you a  
24 very straightforward simple question, which is just  
25 if Facebook has examined the number of whitelisted 08:48:13

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HIGHLY CONFIDENTIAL

1 partners that paid money to Facebook to advertise 08:48:20  
2 on the Facebook platform, is that an examination  
3 that Facebook has conducted?

4 MR. SCHWING: Vague.

5 THE DEPONENT: I'm not aware of -- of a 08:48:35  
6 specific evaluation that was done with respect to  
7 whitelisting parties and ad spend.

8 Q. (By Mr. Loeser) Is that an evaluation  
9 that Facebook is capability of doing?

10 MR. SCHWING: Object to form. Outside 08:48:56  
11 the scope.

12 THE DEPONENT: I don't know exactly how  
13 our -- our advertising systems work. I -- I'm not  
14 sure -- I wouldn't be able to confirm if that's  
15 something Facebook would be able to do. 08:49:10

16 Q. (By Mr. Loeser) Who would you ask to  
17 find out if that's an analysis that Facebook was  
18 capable of doing?

19 A. Again, I'm not entirely clear on the --  
20 the analysis that -- that was suggesting could be 08:49:36  
21 done. So it's hard for me to suggest what I would  
22 do next. This is relatively vague in terms of,  
23 like, the time and objectives that we were  
24 suggesting.

25 Q. Does Facebook keep track of the amount of 08:50:03

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HIGHLY CONFIDENTIAL

1 money that its partners pay to Facebook? 08:50:05

2 MR. SCHWING: Outside of the scope.

3 THE DEPONENT: Can you help me understand

4 by what you mean by "partners and pay," in what

5 context? 08:50:23

6 Q. (By Mr. Loeser) In the context of the

7 conversation we're having about whitelisted

8 partners. And, again, I'm just trying to sort out

9 what Facebook is capable of identifying.

10 So tell me if I'm wrong. Facebook keeps 08:50:34

11 track of money received from any partners,

12 including its whitelisted partners, right?

13 A. Again, Facebook keeps -- Facebook will

14 track revenue spent on ads by -- by corporations

15 and companies and -- and entities. So that's part 08:50:57

16 of the standards -- Facebook's standards --

17 standard business practices for running an ad

18 system.

19 By "partners," I assume you mean entities

20 that Facebook worked with as part of the Facebook 08:51:14

21 developer platform. And so if -- if that's what

22 you mean -- well, first of all is that what you

23 mean?

24 Q. Here's what I mean. Facebook has

25 identified all of the apps and partners that it 08:51:30

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HIGHLY CONFIDENTIAL

1 whitelisted for access to friend data, right. We 08:51:34  
2 went through that the other day.

3 A. Yes, Facebook has -- has enacted an  
4 exhaustive effort to identify apps and partners  
5 that were whitelisted for access to friend data. 08:51:47

6 Q. So what would Facebook need to do to also  
7 identify for those very same entities the revenue  
8 spent on ads on the Facebook platform?

9 MR. SCHWING: Outside the scope. Object  
10 to form. 08:52:04

11 THE DEPONENT: Again, in that context,  
12 it's hard for me to know exactly what -- what  
13 Facebook would do. Apart from the -- but the  
14 conversation with the -- between the -- the teams  
15 that run the Facebook advertising business and the 08:52:25  
16 teams that maintain the Facebook developer  
17 platform.

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Country	Year	Value
China	2014	1.0
China	2015	1.0
China	2016	1.0
China	2017	1.0
China	2018	1.0
China	2019	1.0
China	2020	1.0
China	2021	1.0
China	2022	1.0
China	2023	1.0
China	2024	1.0
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2011	1,345	1.3
2012	1,456	1.4
2013	1,567	1.5
2014	1,678	1.6
2015	1,789	1.7
2016	1,890	1.8
2017	1,901	1.9
2018	1,912	1.9
2019	1,923	1.9
2020	1,934	1.9

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Country	Year	Value
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China	2012	1.0
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China	2014	1.0
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9 Q. And how about between March of 2018 and  
10 January 2020, how many apps or partners continued 09:05:06  
11 to have access to those capabilities during that  
12 timeframe, do you know that?

13 A. The process to wind down partner  
14 integrations began in April 2018 and continued over  
15 2018 and early 2019. Exactly I can't remember the 09:05:29  
16 exact numbers of -- of which apps were -- were  
17 included. But my understanding is that that  
18 program or the whitelisting program was wound down  
19 probably by the end of 2018.

20 Q. And, Mr. Cross, are there any other ways 09:05:53  
21 that friend data is emitted by Facebook other than  
22 those that you've described that are ongoing?

A. The answer to that question is -- is a little complicated depending on the precise -- precise definition of -- of friend data.

09:06:14



HIGHLY CONFIDENTIAL

1 And so -- so that makes it hard to answer 09:06:17  
2 your question in -- in the affirmative.

3 Q. Okay. Well, what are the ways in which  
4 friend data is still emitted? And if to answer  
5 that question you have to explain what friend data 09:06:38  
6 means in that context, please do so.

7 A. So using the definition of -- of friend  
8 data which is information -- somebody else's  
9 information which a user emits or could emit to a  
10 third-party application by nature of them being a 09:07:01  
11 friend, my understanding is that Facebook has  
12 removed all the ways in which a users friends data  
13 would be emitted to a third-party app to the nature  
14 of them being a friend.

15 Q. Okay. And you said that your answer 09:07:25  
16 "depended on how you define friend data."

17 So is there another definition of friend  
18 data that you have in mind which if applied would  
19 lead you to testify that friend data continues to  
20 be emitted now? 09:07:40

21 A. Again, it's -- it depends what you mean  
22 by what's meant by friend data. What I'm referring  
23 to here is information that's posted or entered by  
24 a users friend, which would be emitted by the  
25 nature of them being a friend to a third party. 09:08:08

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## HIGHLY CONFIDENTIAL

1 Q. And, again, I'm just trying to understand 09:08:20  
2 your earlier testimony.

3 So is there some other type of friend  
4 data that continues to be emitted today?

5 A. For example, if I managed a page and I 09:08:37  
6 had an app managing my page, and one of my friends  
7 posted publicly on that page, it's possible that an  
8 app would have access to that public content.

9 So that's the example of -- of  
10 information that's about a friend which might be 09:09:03  
11 emitted.

12 Q. Can you think of any other examples?

13 A. That's really the -- the example I can  
14 think of.

15 Q. Mr. Cross, I asked you previously about 09:09:22  
16 the factors that led Facebook to deprecate APIs  
17 that emit friend data after the Cambridge Analytica  
18 scandal, and you were not prepared at the time to  
19 testify; however, I understand that you are now  
20 able to testify to that. If I -- if I understand 09:09:36  
21 that correctly, could answer that question?

22 MR. SCHWING: Object to the form of the  
23 question.

24 Derek, I hesitate here, but let me just  
25 try to be helpful. And in the interest -- I 09:09:58

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HIGHLY CONFIDENTIAL

1 just -- if -- if you can just ask him the question 09:10:02

2 as opposed to --

3 MR. LOESER: Sure. Sure.

4 MR. SCHWING: -- having representations

5 of counsel that's my problem with it, okay. 09:10:05

6 MR. LOESER: Yeah, and I appreciate that.

7 And I'm not trying to pick a fight with you. I was

8 just trying to make sure that --

9 MR. SCHWING: Yeah. No, I --

10 MR. LOESER: I'm not trying to ask him 09:10:14

11 questions that he's not able to answer. I'm trying

12 to --

13 MR. SCHWING: Yeah.

14 MR. LOESER: -- ask questions now which

15 he is able to answer based on our communications. 09:10:17

16 Q. (By Mr. Loeser) So let me just ask

17 again.

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Q. Mr. Cross, was it wrong for Facebook to publicly state it was getting rid of apps ability to get Facebook user data from users friends when, in fact, it continued to allow a number of apps to do just that?

09:12:05

MR. SCHWING: Lacks foundation. Vague. Outside of the scope of the deposition.

THE DEPONENT: I'm not aware of statements that were made -- statements that Facebook has made to -- to that effect.

09:12:22

Q. (By Mr. Loeser) Respectfully, Mr. Cross, that's not the question I asked you.

So I'll ask the question again, and if you can answer the question, I would appreciate it.

Was it wrong for Facebook to publicly

09:12:37

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HIGHLY CONFIDENTIAL

1 state it was getting rid of apps ability to get 09:12:39  
2 Facebook user data from users friends when, in  
3 fact, Facebook continued to allow a number of apps  
4 to do just that?

5 MR. SCHWING: Outside of the topics of 6 09:12:53  
6 and 7.

7 THE DEPONENT: Again, I'm not aware of --  
8 of a statement that -- that Facebook's made to --  
9 that would indicate Facebook believes that that's  
10 the case. 09:13:07

11 Q. (By Mr. Loeser) Mr. Cross, I'm not  
12 asking you if you're aware of the statement  
13 Facebook has made. I'm asking you as Facebook's  
14 corporate designee, whether it was wrong for  
15 Facebook to publicly state it was getting rid of 09:13:17  
16 apps ability to get Facebook user data from the  
17 users friends when, in fact, Facebook continued to  
18 allow a number of apps to do just that?

19 MR. SCHWING: Vague. Lacks foundation.  
20 Outside the scope of the definition. 09:13:32

21 THE DEPONENT: I -- I -- I'm afraid, I  
22 don't work in -- in corporate communications, and  
23 so I'm not an expert in what statements Facebook  
24 made or should have made around -- around this  
25 time. As I said, I'm not aware of statements that 09:13:52

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HIGHLY CONFIDENTIAL

1 Facebook has made to indicate that. 09:14:00

2 Q. (By Mr. Loeser) And, Mr. Cross, are you  
3 unable to testify as Facebook's corporate designee  
4 as to whether it was wrong for Facebook to state it  
5 was getting rid of apps ability to get Facebook 09:14:11  
6 user data from a users friends when, in fact,  
7 Facebook continued to allow a number of apps to do  
8 just that?

9 MR. SCHWING: Outside of the scope of  
10 topics 6 and 7. And lacks foundation. 09:14:24

11 THE DEPONENT: As I said like -- I'm  
12 not -- I don't feel comfortable giving an answer on  
13 behalf of the company there. I've given -- I'm not  
14 an expert in, or I'm not really working in  
15 corporate communications or -- really have the 09:14:46  
16 expertise required to -- to answer that question  
17 like that, I'm afraid.

18 Q. (By Mr. Loeser) Mr. Cross, you testified  
19 that one reason Facebook gave third parties access  
20 to friend information after 2014 was to avoid 09:15:07  
21 breaking the user experience, right?

22 MR. SCHWING: Object to form.

23 THE DEPONENT: I recall we -- we were  
24 discussing the -- the reasons for giving some apps  
25 additional time to migrate between API version 1 09:15:28

Page 1199

1 and version 2. 09:15:33

2 Q. (By Mr. Loeser) So that the user  
3 experience will not be broken?

4 MR. SCHWING: Object to form.

5 THE DEPONENT: My understanding is -- 09:15:39

6 sorry. My understand is that's one of the reasons  
7 why Facebook allowed apps extra time to transition  
8 from version 1 to version 2.

9 Q. (By Mr. Loeser) So for third parties who  
10 received friend information after 2014, their user 09:15:56  
11 experience was not broken, right?

12 MR. SCHWING: Object to form.

13 THE DEPONENT: So I'm not -- I'm not sure  
14 I understand the question since -- can you -- I'm  
15 not sure I understand the question. 09:16:13

16 Q. (By Mr. Loeser) You understand what it  
17 means to break the user experience, right?

18 A. Different applications behave in  
19 different ways when the API is -- is changed for  
20 them. 09:16:28

21 Q. And APIs that -- that apps that depend on  
22 friend information if the friend information no  
23 longer is available that breaks the user  
24 experience, right?

25 A. It could break the user experience. 09:16:41

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HIGHLY CONFIDENTIAL

1 Again, the precise way in which the application was 09:16:43  
2 effected would be different from application to  
3 application.

4 Q. Okay. But for an app that depends upon  
5 friend data, if that app was continued to 09:16:53  
6 allowed -- continued to have access to friend data,  
7 than the user experience would not be broken,  
8 right?

9 MR. SCHWING: Object to form.

10 THE DEPONENT: Typically where an app is 09:17:08  
11 built to work with a particular version of an -- or  
12 a particular way an API works and then that API  
13 doesn't change, then the behavior of the app also  
14 would not change.

15 Q. (By Mr. Loeser) Okay. And there were 09:17:23  
16 many third-party applications who before 2015  
17 relied on nonapp friend information for their user  
18 experience, right?

19 A. There were applications built prior --  
20 prior to 2014 which reviewed friends information in 09:17:41  
21 various ways.

22 Q. And not just various ways but for the  
23 user experience, right?

24 A. Some apps would have used that  
25 information very much in the user experience. 09:18:01

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HIGHLY CONFIDENTIAL

1 Q. Mr. Cross, not all those third parties 09:18:04  
2 received an extension or access to a private API,  
3 right?

4 A. Facebook gave developers a year to  
5 transition from API version 1 to version 2. 09:18:20

6 Q. Okay. And not all apps received  
7 extensions beyond that time period, right?

8 A. Not all apps were -- were given  
9 additional time to migrate.

10 Q. And so for those apps that relied on 09:18:36  
11 friend information for the user experience that did  
12 not receive an extension beyond a year, the -- the  
13 user experience was broken for those apps, right?

14 MR. SCHWING: Object to form.

15 THE DEPONENT: I don't think that's an 09:18:59  
16 appropriate characterization to make. Many  
17 developers updated their application, such that it  
18 continued to -- to operate.

19 Q. (By Mr. Loeser) But for those that  
20 depended on the same nonapp friend information that 09:19:15  
21 they got before the transition to the new platform,  
22 the user experience was broken for those apps,  
23 right?

24 MR. SCHWING: Object to form.

25 THE DEPONENT: No, I don't think that's 09:19:31

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HIGHLY CONFIDENTIAL

1 an appropriate characterization to make. Apps -- 09:19:33  
2 developers were in many cases up -- able to update  
3 their application such that it did not rely on  
4 access to that information.

5 Q. (By Mr. Loeser) So there were no apps 09:19:49  
6 for which the user experience was broken as a  
7 result of not providing the app with private API  
8 for that information?

9 MR. SCHWING: Object to form.

10 THE DEPONENT: That's also not quite what 09:20:04  
11 I said. I said that many -- many developers were  
12 able to update their application. Others choose  
13 to -- chose to stop offering their application.

14 And there would have been some developers who did  
15 none of those things. And their application would 09:20:19  
16 behave in different ways depending on exactly how  
17 their application was built.

18 Q. (By Mr. Loeser) So how did Facebook  
19 decide which user experiences to break and which  
20 user experiences not to break when it came to 09:20:31  
21 providing friend sharing extensions?

22 MR. SCHWING: Object to form.

23 THE DEPONENT: Facebook evaluated -- the  
24 partnerships team at Facebook along with the -- the  
25 work team, evaluated whether or not it was 09:20:51

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[illegible]

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Q. (By Mr. Loeser) Mr. Cross, does

09:23:30

11

Jackie Chang still work for Facebook?

12

A. I'm -- I think she may still work for

13

Facebook but is on maternity leave.

14

Q. And to prepare for your testimony

15

regarding friend sharing and whitelisting, did you

09:23:46

16

speak with Jackie Chang?

17

A. I did not speak with Jackie Chang. As I

18

understand she's -- she's currently on leave.

19

Q. Is that the reason why you didn't try to

20

speak with her?

09:24:02

21

A. Typically if someone is on leave, I would

22

generally like to leave them on leave.

23

Q. And do you know when she returns from

24

leave?

25

A. I -- I'm not sure when she returns from

09:24:19

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Q. Were third parties whitelisted for friend information because of the revenue that they deliver to Facebook?

09:35:43

A. No.

Q. Are third parties whitelisted for friend information because of their advertising spend?

09:35:58

A. No.

MR. SCHWING: I don't have anything further.

MR. LOESER: Brief follow up.

FURTHER EXAMINATION

09:36:10

BY MR. LOESER:

Q. You referred to an effort to migrate, was it site bar -- what was migrated from what to what?

A. So the gatekeeper tool contained a number of gatekeepers, which we used to modify the behavior of the API based on an app ID, and -- where Facebook uncovered or identified -- sorry, where Facebook identified gatekeepers that were based on an app ID then that gatekeeper was migrated to be a capability.

09:36:32

09:36:58

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1 Q. And what prompted that migration? 09:37:00

2 A. A desire to have a single tool to manage  
3 all of the ways in which the API behavior could be  
4 modified.

5 Q. Now, Mr. Cross, in response to 09:37:37

6 Mr. Schwing's question about revenue, you've  
7 testified that partners were not whitelisted for  
8 friend data because the revenue they deliver to  
9 Facebook.

10 Is that your testimony as Facebook's 09:37:56

11 corporate designee?

12 A. My understanding from reviewing documents  
13 and speaking to people, is the revenue or ad spend  
14 was not a determining factor as to whether or not  
15 an app was granted access to friends data. 09:38:15

16 Q. And the basis of your knowledge there,  
17 that's not based on your personal knowledge is it?

18 A. I certainly have no personal knowledge  
19 of -- sorry. Let me put that another way.

20 In my experiences, I'm -- I was not aware 09:38:36

21 of anytime revenue was used to make a whitelisting  
22 decision with regards to friends data, and the  
23 people I spoke to in -- in preparation for this  
24 testimony also concurred with that view.

25 Q. And those people you spoke to are two 09:39:04

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1 individuals that you identified before Mr. Mehta 09:39:06  
2 and Mr. Archibong; is that right?

3 MR. SCHWING: Misstates testimony.

4 THE DEPONENT: Those are two of the  
5 people that I spoke to in preparation for today. 09:39:17

6 Q. (By Mr. Loeser) And is there anybody  
7 else that told you that ad spend and revenue was  
8 not taken into account by Facebook when deciding  
9 which partners to whitelist?

10 A. I can't recall the names of all the other 09:39:35  
11 people I spoke to in -- in preparation for this,  
12 but all the people I spoke to, and of all the  
13 documents I reviewed, concurs with the -- the  
14 understanding that revenue was not taken into  
15 account with regards to whitelisting apps to friend 09:39:58  
16 information.

17 Q. Now, Mr. Cross, we went through many,  
18 many documents that suggest to the contrary, didn't  
19 we?

20 MR. SCHWING: Argumentative. Lacks 09:40:11  
21 foundation.

22 Q. (By Mr. Loeser) Isn't that true,  
23 Mr. Cross?

24 A. We've been through documents which --  
25 looked to assess the potential impact of the 09:40:25

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1 changes. And -- and some of those documents 09:40:27  
2 mentioned revenue as -- as part of the early  
3 assessments.

4 But when speaking to the people that were  
5 involved in native whitelisting, the revenue from 09:40:44  
6 these device integration partners were, or other  
7 platform partners, was not considered as part of  
8 the decision to -- to grant them access.

9 Q. And so you're saying that because these  
10 two individuals you talked to told you that? 09:41:07

11 MR. SCHWING: Object --

12 Q. (By Mr. Loeser) The documents certainly  
13 don't tell you that, do they?

14 MR. SCHWING: Argumentative. Lacks  
15 foundation. 09:41:17

16 THE DEPONENT: Speaking to people who  
17 were involved in -- in the decisions as to why apps  
18 ultimately were granted extensions or exemptions  
19 they -- the impact on -- on revenue from not doing  
20 so, was not an impact. Was not a factor in the 09:41:40  
21 decision-making.

22 Q. (By Mr. Loeser) Well, did you -- did you  
23 identify any internal documents at Facebook that  
24 said what you just said?

25 MR. SCHWING: Object to form. 09:41:56

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1 Q. (By Mr. Loeser) Any? Did you identify a 09:42:01  
2 single document that confirms what you just said?

3 MR. SCHWING: Same objection.

4 THE DEPONENT: I reviewed a number of  
5 documents. I -- I don't recall a document that -- 09:42:15  
6 that says exactly what I just said. Again,  
7 speaking to the -- the people involved and from my  
8 own experiences, involved in -- in this time in  
9 terms of giving apps -- giving partners continued  
10 access to -- to friend data for a period of time as 09:42:41  
11 an extension or exemption, the revenue from those  
12 partners was -- was not a factor in the  
13 decision-making as to whether or not to grant them  
14 full access.

15 Q. (By Mr. Loeser) Mr. Cross, can you 09:42:55  
16 identify even one document generated internally at  
17 Facebook that says that ad revenue, ad spend and  
18 revenue was not taken into account when deciding  
19 which partners to whitelist?

20 MR. SCHWING: Object to form. Asked and 09:43:15  
21 answered.

22 THE DEPONENT: I can't identify as I sit  
23 here a -- a document that --

24 SPECIAL MASTER GARRIE: Answer the  
25 question. Yes or no. It is a simple question, 09:43:26

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1 answer it accordingly. 09:43:33

2 THE DEPONENT: As I sit here today, I  
3 can't identify a document that -- that says that  
4 specifically.

5 Q. (By Mr. Loeser) Now, Mr. Cross, you say 09:43:46  
6 you talked to two individuals who told you that  
7 revenue and ad spend was not taken into account in  
8 whitelisting decisions.

9 Has it occurred to you that perhaps  
10 they're not telling you the truth? 09:43:56

11 MR. SCHWING: Object to form.

12 THE DEPONENT: I suppose -- the people I  
13 spoke in preparation for this deposition are people  
14 that were involved over -- over a long period of  
15 time in how Facebook manages its developer platform 09:44:21  
16 and platform partnerships.

17 These people are knowledgeable about  
18 their -- about their space and they were effusive  
19 in helping me understand their view on how  
20 whitelisting decisions were made. 09:44:43

21 And revenue was not considered in the  
22 ultimate decision to whitelist. The documents  
23 you're, I think referring to, for example,  
24 Ms. Mosseri is -- is a draft document. It was  
25 prepared when the company was attempting to 09:45:07

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1 understand the potential impact. And, you know, my 09:45:13  
2 understanding is that as a result, of my  
3 conversations, revenue was not a factor in deciding  
4 whether or not to grant apps continued access to  
5 friend data. 09:45:35

6 Q. (By Mr. Loeser) Mr. Cross, I asked you a  
7 very simple and straightforward question. Would  
8 you like me to read it back to you so that you can  
9 answer it? I'll ask it again.

10 Mr. Cross, you say, you talked to two 09:45:47  
11 individuals who told you that revenue and ad spend  
12 was not taken into account in whitelisting  
13 decisions.

14 Has it occurred to you that perhaps they  
15 are not telling you the truth? 09:45:58

16 MR. SCHWING: The question is  
17 argumentative.

18 THE DEPONENT: I have no reason --

19 SPECIAL MASTER GARRIE: Answer the  
20 question. 09:46:09

21 THE DEPONENT: I have no reason to doubt  
22 they were telling me the truth.

23 Q. (By Mr. Loeser) And, Mr. Cross, when you  
24 spoke to those two individuals, did you bring to  
25 their attention the series of documents that we 09:46:19

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1 sent over to you before your deposition that talked 09:46:22  
2 about the identification of strategic partners and  
3 the revenue received from them in whitelisting  
4 decisions?

5 A. And so I think the last of what you said 09:46:40  
6 there is -- is not -- I'm not sure I fully  
7 understand. We -- the -- I'm sorry. I -- that was  
8 about three things in that -- in that question  
9 which -- which I would like to unpick.

10 Can you ask me the question again, 09:46:58  
11 please.

12 Q. Mr. Cross, were you provided with any  
13 contemporaneous -- contemporaneous written record  
14 from the people you spoke to about the basis for  
15 whitelisting decisions that indicated that revenue 09:47:26  
16 and ad spend was not taken into account in making  
17 those decisions?

18 A. Was I provided with any  
19 contemporaneous -- like -- sorry. I'm -- I'm  
20 really -- I'm really just not sure I'm 09:47:45  
21 understanding that question.

22 Q. Okay. By "contemporaneous," I mean at  
23 the time the whitelisting decisions were made, were  
24 you provided with any written record from the time  
25 at which whitelisting decisions were made that 09:47:59

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1 indicated that ad revenue -- that ad spend and 09:48:01  
2 revenue was not taken into account in the  
3 whitelisting decisions?

4 MR. SCHWING: Object to form.

5 THE DEPONENT: I was not provided with -- 09:48:16  
6 with -- with documents that -- that state that  
7 ad revenue was not included in the decision-making.

8 Although my -- again, my conversations  
9 and the documents I've reviewed talk about what  
10 factors were included, it would not necessarily be 09:48:37  
11 normal for them to be explicit, that was not  
12 included.

13 Q. (By Mr. Loeser) And, Mr. Cross, when  
14 conducting your own investigation to determine if  
15 you had been told the truth, did you go find out 09:48:53  
16 how much money the whitelisted partners had paid to  
17 Facebook after 2014?

18 MR. SCHWING: Object to form.

19 THE DEPONENT: I, in preparation for this  
20 case, did not attempt to find out how much revenue 09:49:17  
21 these partners -- certain partners had paid  
22 Facebook over time. And because from my own  
23 observations in speaking to the people involved,  
24 the decisions to whitelist were based on the desire  
25 to keep valuable integrations running and to 09:49:42

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1 minimize broken experiences for widely used apps, 09:49:51  
2 and to give developers, some developers additional  
3 time to migrate.

4 In -- in none of that -- none of those in  
5 the documents that I reviewed about the time in 09:50:08  
6 terms of whitelisting decisions, was -- was revenue  
7 mentioned in relation to friend data.

8 Q. (By Mr. Loeser) Mr. Cross, I'm going to  
9 ask you one more time. And I would like a  
10 yes-or-no answer to a yes-or-no question. 09:50:24

11 And then we can be finished for the  
12 night.

13 In conducting your own investigation to  
14 determine if you had been told the truth, did you  
15 go find out how much money the whitelisted partners 09:50:34  
16 had paid to Facebook after 2014, yes or no?

17 MR. SCHWING: Argumentative.

18 THE DEPONENT: No, I did not conduct an  
19 investigation into how much money those partners  
20 had spent on ad revenue. 09:51:00

21 MR. LOESER: Thank you. Those are the  
22 questions I have.

23 Just noting for the record, Mr. Schwing,  
24 we do have concerns about the ability of the  
25 witness to testify as to certain topics. I won't 09:51:14

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1 take anymore of his time right now on the record. 09:51:17

2 We can talk about that later, but obviously reserve  
3 the right based on our ongoing conversations to --  
4 to have more questions of perhaps another witness.

5 But I appreciate Mr. Cross's time. I 09:51:29

6 know this has been a -- a long deposition, and  
7 thank you very much for your willingness to  
8 participate. And that's all I have for the night.

9 MR. SCHWING: And, Derek, obviously we --  
10 we reserve all rights and with respect to the issue 09:51:44  
11 you raised and we're happy to discuss that with you  
12 off the record at a later time.

13 One housekeeping item is, I would suggest  
14 that the witness be given 45 days to review his  
15 testimony. I think that's what we've been doing 09:52:00  
16 for the most part in the case --

17 SPECIAL MASTER GARRIE: 30 days.

18 MR. SCHWING: -- provide any corrections.

19 SPECIAL MASTER GARRIE: I think Gibson  
20 requested 30 days. 09:52:11

21 MR. SCHWING: Well, Special Master  
22 Garrie, I think we actually were using 45. The  
23 last time I got on with Mr. Cross I said 30 days  
24 because I was the new guy, and didn't realize what  
25 we had been doing. 09:52:21

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1 SPECIAL MASTER GARRIE: Is that in the 09:52:22  
2 protocol? There was an explicit request in the  
3 protocol. I can't remember what it is.

4 MR. SCHWING: Yeah.

5 SPECIAL MASTER GARRIE: But I know you 09:52:28  
6 added specific language for that request, so  
7 whatever it is -- it is.

8 MR. LOESER: We can go off the record and  
9 we can --

10 MR. SCHWING: Yeah, and the other -- 09:52:36  
11 well, before we go off the record -- we're still on  
12 the record, right?

13 SPECIAL MASTER GARRIE: Still on the  
14 record.

15 MR. SCHWING: The testimony and documents 09:52:46  
16 should -- the testimony should be treated as  
17 "Highly Confidential" and we'll be obviously  
18 reviewing the testimony and making appropriate  
19 designations.

20 MR. LOESER: Understood. 09:52:58

21 Okay. Let's go off the record.

22 THE VIDEOGRAPHER: Okay. We're off the  
23 record. It's 9:53 p.m.

24 (TIME NOTED: 9:53 p.m.)

25 ---o0o--- 09:53:06

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1 I, Rebecca L. Romano, a Registered  
2 Professional Reporter, Certified Shorthand  
3 Reporter, Certified Court Reporter, do hereby  
4 certify:

5 That the foregoing proceedings were taken  
6 before me remotely at the time and place herein set  
7 forth; that any deponents in the foregoing  
8 proceedings, prior to testifying, were administered  
9 an oath; that a record of the proceedings was made  
10 by me using machine shorthand which was thereafter  
11 transcribed under my direction; that the foregoing  
12 transcript is true record of the testimony given.

13 Further, that if the foregoing pertains to the  
14 original transcript of a deposition in a Federal  
15 Case, before completion of the proceedings, review  
16 of the transcript [X] was [ ] was not requested.

17 I further certify I am neither financially  
18 interested in the action nor a relative or employee  
19 of any attorney or any party to this action.

20 IN WITNESS WHEREOF, I have this date  
21 subscribed my name.

22  
23 Dated: June 24, 2022

A handwritten signature in black ink, reading "Rebecca L. Romano", is written over a horizontal line.

Rebecca L. Romano, RPR, CCR

24  
25 CSR. No 12546

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REASON transcription error

PAGE 1016 LINE 6 CHAN [REDACTED]

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PAGE 1022 LINE 7 CHANGE [REDACTED]

REASON misspoke

PAGE 1024 LINE 19 CHANGE [REDACTED]

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PAGE 1028 LINE 8 CHANGE [REDACTED]

REASON transcription error

PAGE 1029 LINE 6 CHANGE "most of" to "most"

REASON misspoke



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PAGE 1032 LINE 4 CHAN [REDACTED]

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PAGE 1149 LINE 21 CHANGE [REDACTED]

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PAGE 1175 LINE 24 CHANGE "developing" to "developer"

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PAGE 1200 LINE 6 CHANGE "understand" to "understanding"

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PAGE 1206 LINE 22 CHANGE [REDACTED]

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**[documentation - engineering]**

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**[facebook - finished]**

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[okay - particular]

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[right - schwing]

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## [understanding - version]

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Federal Rules of Civil Procedure

Rule 30

(e) Review By the Witness; Changes.

(1) Review; Statement of Changes. On request by the deponent or a party before the deposition is completed, the deponent must be allowed 30 days after being notified by the officer that the transcript or recording is available in which:

(A) to review the transcript or recording; and

(B) if there are changes in form or substance, to sign a statement listing the changes and the reasons for making them.

(2) Changes Indicated in the Officer's Certificate. The officer must note in the certificate prescribed by Rule 30(f)(1) whether a review was requested and, if so, must attach any changes the deponent makes during the 30-day period.

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COMPANY CERTIFICATE AND DISCLOSURE STATEMENT

Veritext Legal Solutions represents that the foregoing transcript is a true, correct and complete transcript of the colloquies, questions and answers as submitted by the court reporter. Veritext Legal Solutions further represents that the attached exhibits, if any, are true, correct and complete documents as submitted by the court reporter and/or attorneys in relation to this deposition and that the documents were processed in accordance with our litigation support and production standards.

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